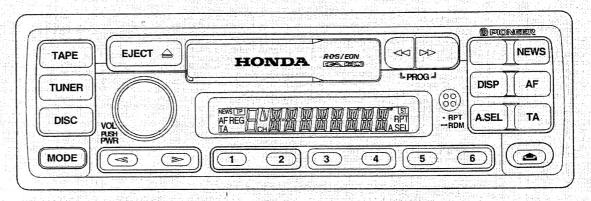
MULTI-CD CONTROL FM/MW/LW RDS TUNER DECK AMPLIFIER

SYNTONISEUR FM/PO/GO RDS, LECTEUR DE CASSETTE, AMPLICATEUR ET CONTRÔLEUR POUR LECTEUR DE CD À CHARGEUR

OWNER'S MANUAL

Thank you for purchasing this product. Before attempting operation, be sure to read this manual.





08A01-3A6-210 08A01-3A6-510

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FIG.1~FIG.4	FIG.1~FIG.4
FIG.1~FIG.4	INHOUDSOPGAVE FIG.1~FIG.4
	TECHNISCHE GEGEVENS59

PRECAUTIONS

 This product complies with the EMC Directives (89/336/EEC, 92/31/EEC) and CE Marking Directive (93/68/EEC).

When the battery has been replaced

 When the power supply is started up after replacing the battery, etc., frequency settings and other stored information are lost. In this case, frequencies, etc., should be entered into the memory once again.

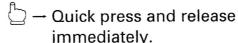
In case of trouble

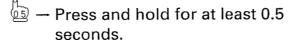
If any problem should occur with this unit, inquire at the outlet where it was purchased. Do not attempt to take this unit apart or to repair it yourself.

BUTTON ILLUSTRATIONS

The buttons used are shown for each item.

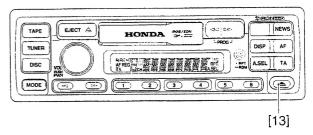
There are 2 ways of pressing a button, as indicated by the following illustrations.





• The two numbers in the picture: 0.5 and 2, mean to press and hold those buttons for at least 0.5 or 2 seconds.

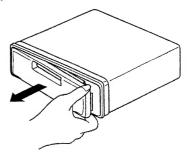
USING THE REMOVABLE FRONT PANEL



For theft prevention, the unit's front panel may be removed from the cabinet.

DETACHING THE FRONT PANEL[13]

- 1. Press button [13] to pop the right side of the front panel toward you.
- 2. Hold the right side of the front panel, pull it toward you and remove.
- Do not grip the front panel display too tightly or drop the front panel display.



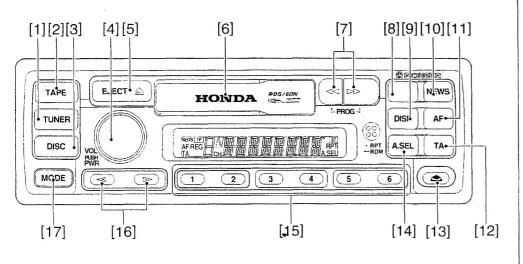
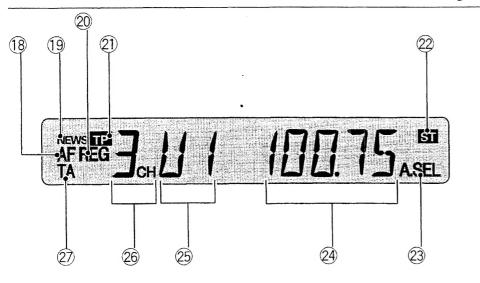




Fig. 1

Fig. 3



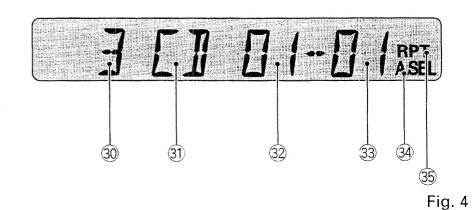
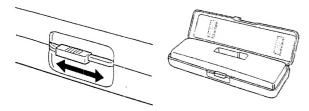


Fig. 2

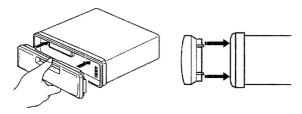
3. Store the removed front panel in the protective case provided. To open the lid of the case, slide the knob to the right. After placing the front panel in the case, be sure to slide the knob to the left again.

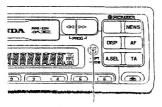


REPLACING THE FRONT PANEL

Push the front panel into the cabinet.

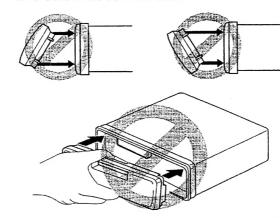
 When installing the front panel, do not push on the display or buttons.
 When pressing the top, bottom, and left side of the panel you should press the edge of the panel, and if the right side is pressed, you should press the :: area.





Press here.

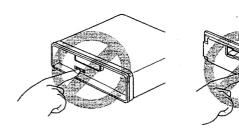
 Install the front panel by inserting it straight into the cabinet. Inserting the front panel at an angle, as shown in the diagram below, may cause the flanges on the front panel to break the cabinet terminals.



 Incorrect front panel insertion will prevent detach button [13] and other buttons from operating.

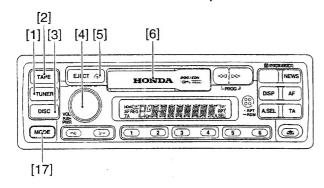
PRECAUTIONS

- Don't spill water, coffee or any other liquid on the front panel.
- Don't touch terminals on front panel and cabinet with bare hands. Dirty terminals may result in defective contact. If there is any dirt or oil on the terminals, wipe them off with a clean, dry cloth.



- Don't place the front panel where it would be subject to high temperatures or direct sunlight.
- Do not drop the front panel, bump anything into it, or subject it to any other form of strong shock.
- Do not use benzene, paint thinner or other volatile chemical substances on the front panel. They may permeate and damage its surface.
- Do not take the front panel apart.

BASIC OPERATIONS



SWITCHING POWER ON

Radio[1] 📛 [4] 🖔 When button [1] is pressed, the radio power is turned on. To turn off, press button [4].

Tape[4] 🖒 [2] 🖒 [5] 🖔 When a cassette is inserted in the cassette door [6], it is loaded and starts playing automatically. It can be stopped by pressing button [4], and restarted by pressing button [2]. To remove the cassette, press button [5].

CD (MD)[3] 💆 [4] 🖔

• The proper Honda CD (MD) changer (sold separately) is required to play CDs (MDs).

Playing of a CD (MD) is started by pressing button [3], and stopped by pressing button [4].

SWITCHING POWER ON [4]

If button [4] is pressed when the power is off, the power supply of the source before power was turned off is turned on.

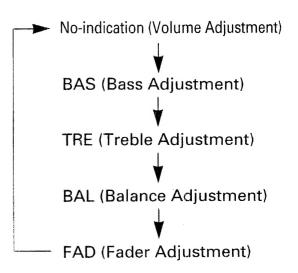
ADJUSTING VOLUME [4]

The volume is increased by turning dial [4] to the right, and decreased by turning it to the left. (Display shows "VOL 00" ~ "VOL 30".)

Advice

· When driving, a volume level should be selected that allows sounds outside the vehicle to be heard.

Press button [17] to switch to the mode in which you want to make the adjustment, and turn the dial to make the adjustment. The adjustment mode changes each time the dial is pressed, as shown below.



Advice

· When bass, treble, balance and fader adjustments are made, a beep will be heard at the center position. The adjustment mode is canceled approximately 5 seconds after an adjustment is made.

Adjusting Bass

Select the bass adjustment mode. Bass intensity is gradually increased by turning dial [4] to the right, and decreased by turning dial [4] to the left. (Display shows "BAS -6" ~ "BAS 6".)

Adjusting Treble

Select the treble adjustment mode. Treble intensity is gradually increased by turning dial [4] to the right, and decreased by turning dial [4] to the left. (Display shows "TRE -6" ~ "TRE 6".)

Adjusting Balance

Select the balance adjustment mode. The balance is gradually changed to left speaker sound only, by turning dial [4] to the left, and to right speaker sound only, by turning it to the right. (Display shows "BAL L9" ~ "BAL R9".)

Adjusting the Fader

Select the fader adjustment mode. The balance is gradually changed to front speaker sound only, by turning dial [4] to the right, and to rear speaker sound only, by turning it to the left. (Display shows "FAD F9" ~ "FAD R9".)

Advice

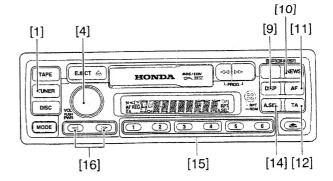
· When a two-speaker system is used, you should set "FAD 0".

OTHER FUNCTION

Illumination

The radio illumination is linked to the car light switch, and the button area lights up when the car lights are turned on.

USING THE RADIO



LISTENING TO THE RADIO[1] 🖢 [4] 🖢

When button [1] is pressed, the radio power is turned on and the Band 25 and Frequency @ are displayed. To turn the radio off, press button [4].

CHANGING THE BAND [1]

The band is selected by pressing button [1] repeatedly. Each time the button is pressed, the band changes in the following order.

U1 (FM1) \rightarrow U2(FM2) \rightarrow UT(FMT) \rightarrow M/L(MW/LW)

A		
T		

AUTOMATIC TUNING [16]

The radio automatically tunes in to a station with a strong signal above a certain level. Press (<) or (>) button [16].

MANUAL TUNING ... [12] 🙋 [16] 📛

This is useful for tuning in to a station with a very weak signal that cannot be picked up with automatic tuning.

- Continue pressing button [12] for 2 or more seconds. (Until you hear a beep.)
- 2. Select a station by pressing the < or > side of button [16].
 If you do not press a button for more than 10 seconds, you will hear a beep and automatically be returned to AUTOMATIC TUNING mode.

Advice

 When returning to automatic tuning, continue pressing button [12] for 2 seconds or more once again. (Until you hear a beep.)

MEMORIZING STATIONS (PRESET MEMORY)

A selected station is memorized in one of buttons [15].

Advice

 The radio cannot be heard while the button is being held down.

Recalling a Station [15]

When the button [15] is pressed again after a station has been memorized, the radio will be tuned to the station stored in that button. The number of the pressed button lights in ② on the display.

AUTO SELECT [1] (14) (15) Broadcasts of high output stations can be managized in button [15] of LIT.

be memorized in button [15] of UT (FMT) band according to the following procedure.

- 1. Press button [1] to switch over band to U1, U2 or UT.
- 2. Press button [14] to start automatic memorization of high output stations. Through automatic memorization operation, "A.SEL" ② is displayed. (A-SEL flashes ④)

Advice

- There is no audio output in automatic memorizing operation.
- When automatic memorization is started with U1/U2 band, the same is performed for UT band that is automatically switched on to follow U1 and U2 bands.
- Automatic memorization cannot be activated for MW and LW bands.
- 3. With completion of general automatic memorization, "A.SEL" ② goes out and the radio receives broadcast of the highest output station.

Advice

- When the set fails in finding the especially highest output station out of memorized stations, "0" appears on the display.
- In the case memorized stations are five or less in number, the display indicates "0" when button [15] in which no station is memorized is pressed.

OTHER FUNCTIONS

Stereo Indicator

When the radio is tuned to an FM stereo station, "ST" ② will be displayed.

USING RDS FUNCTIONS

What is RDS?

RDS (Radio Data System) is a system for transmitting data signals along with FM programs. These data signals, which are inaudible, provide a variety of features such as: program service name, program type display, traffic announcement standby, automatic tuning, and program type tuning, intended to aid radio listeners in tuning to a desired station.

- RDS services may not be provided by all stations.
- RDS functions, like AF and TA, are only active when your radio is tuned to RDS stations.

PROGRAM SERVICE NAME

Displays the name of the network/ station or PTY information when you tune in a station providing RDS services. When you tune in to a RDS station, the frequency display automatically changes to the name of the network/station or PTY information after a few seconds.

Changeover of indication

Press button [9] to change over indication between name of network/station and PTY information.

PTY List

FINANCE: Stock market reports.

INFO: General information and advice.

NEWS: News.

Travel programs, not for TRAVEL:

announcements about traffic

problem.

Weather reports / WEATHER:

Meteorological information.

EASY MUS: Easy listening music.

Popular music. POP MUS:

ROCK MUS: Contemporary modern music.

CLASSICS: Serious classical music. L. CLASS: Light classical music.

COUNTRY: Country music based programs. FOLK MUS: Folk music based programs.

JAZZ: Jazz music based programs. NATION M: National music based programs.

OLDIES: Oldies music. "Golden age"

based programs.

OTH MUS: Other types of music, which

can't be categorized.

AFFAIRS: Current affairs.

Programs concerned with any CULTURE:

aspect of national or regional

culture.

DOCUMENT: Documentary programs. **EDUCATE:** Educational programs.

RELIGION: Religion affairs programs or

services.

Programs about nature, science SCIENCE:

and technology.

SOCIAL A: Social affairs programs. CHILDREN: Children's programs.

DRAMA: All radio plays and serials. LEISURE: Programs about hobbies and

recreational activities.

PHONE IN: Phone in based programs.

SPORT: Sports programs.

Light entertainment programs. **VARIED:**

Advice

- Some stations may broadcast program contents that are different from their PTY code.
- When no PTY code is output from the station being received, "NONE" appears on the display.
- Some broadcast stations may transmit multiple PS broadcasts consecutively. If this happens, precise PS display may not be possible.

AF FUNCTION[11]



AF (Alternative Frequencies search) function lets you set the receiver to search for other frequencies within the same network organization as the currently frequency. When the current frequency cannot be properly received, or another frequency in the network can provide better reception, AF mutes the sound of the radio and automatically retunes to the more suitable frequency. "AF" is set ON by default.

Advice

- When you recall preset stations, the tuner may update the preset after searching a new frequency from that station's "AF" list.
- The preset number does not appear in the display if the" RDS" data for the station received is different from the originally memorized RDS station.
- When "AF" is searching for the next frequency, muting may be temporarily interrupted by another program.
- You can turn "AF" ON or OFF independently for each FM band.
- The tuner will only tune RDS stations when you use "AUTOMATIC TUNING" tuning or "AUTO SELECT" function with the AF function on.

To turn off the AF function

Press the [11] button. ("AF" (18) goes out from the display.)

To activate the AF function

Press the [11] button again. ("AF" (18) lights in the display.)

PI SEARCH FUNCTION [10]

If the receiver cannot find a suitable alternative frequency or the radio signal is too weak for proper reception. "SEARCH" appears in the display, and the receiver searches for another frequency broadcasting the same, or related program.

During "SEARCH", the sound of the radio will be muted somewhat longer than for AF search. Muting is released after "SEARCH", even if the radio could not find the same, or related program, and returns to the previous frequency.

PI Search

If the tuner fails to locate a suitable alternative frequency or if the broadcasting signal is too weak for proper reception, the PI Search will automatically start.

Auto PI Search (for preset station)

When preset stations cannot be recalled, as when traveling long distances, the product can be set to perform PI Search also during preset recall. The default setting for Auto PI Search is OFF.

Switching the Auto PI Search (A-PI)

During Preset Station PI Search operation, you can switch the Auto PI Search function ON/OFF.

To activate the Auto PI Search function

Press and hold down button [10] for more than 2 seconds. ("A-PI ON" is displayed.)

To turn off the Auto PI Search function

Press and hold down button [10] again for more than 2 seconds. ("A-PI OFF" is displayed.)

REG FUNCTION[11] 2

In the case of AF, which lets you set the tuner to re-tune frequencies automatically, REG (regional) lets you limit the list of alternative frequencies to stations broadcasting regional programs.

Regional programming and regional networks are organized differently by each country (i.e., they may change by the hour, state, or broadcast area).

To activate the REG function

Press and hold [11] button for more than 2 seconds.

("REG" @ lights in the display.)

To turn off the REG function

Press and hold [11] button for about 2 seconds again.

("REG" @ goes out from the display.)

Advice

- When you recall preset stations with REG ON, the preset number will not appear in the display if the tuner receives a regional station different from the originally memorized one.
- ON/OFF switching of REG is effective for all bands in common.

TA FUNCTION[12]

TA (Traffic Announcement standby) function lets you set the system to switch automatically to traffic announcements as they are broadcast when you are tuned to a TP or EON TP station, whether you are listening to the radio, cassette or CD (MD).

Advice

- TP stations are stations that broadcast traffic information. The "TP" (2) indicator lights up when you tune a TP station.
- EON TP stations are stations that carry information which cross references TP stations. "TP" indication ② is on also when the radio is tuned to an EON TP station.

To activate the TA function

Press the [12] button. ("TA" ② lights in the display.)
The tuner begins waiting for traffic announcements.

To turn off the TA function

Press the [12] button again. ("TA" ② goes out from the display.) TA function is turned off.

Advice

- The system switches back to the original source after traffic announcement reception.
- The tuner only stops at TP or EON-TP stations when you use SEEK tuning with the TA function ON.
- The tuner only stores TP or EON-TP stations when you use AUTO SELECT function with the TA function ON.

HOW TO ADJUST THE TA VOLUME

During traffic announcement reception, the volume automatically changes to an adjustable preset level so you can easily hear the traffic announcement. When using this function for the first time, you can listen to traffic information at the preset volume level "VOL 10" set by factory on shipment. If you adjust the volume while listening to the traffic announcement, the new volume will be stored in the memory. The next time a traffic announcement is received, the volume will change to the adjusted level. However, if volume setting is changed to a level lower than "VOL 10", it will automatically be reset to "VOL 10" when traffic information is received next time.

TP ALARM FUNCTION

If "TP" ② indication is left in off-status continuously for 1 minute (due to a weak signal), a beeping alarm will sound for about 10 seconds to tell you to tune in another TP station.

Advice

- If "TP" ② indication again goes out after reception recovered from failure condition, alarm again beeps for 10 seconds. Moreover, alarm beeps when you try to access tuning or preset operation after "TA" was tuned on or in the case "TP" ② indication is not turned on.
- In cassette or CD (MD) mode, the tuner automatically tunes to the strongest TP station in the area and stands by for a traffic announcement immediately after "TP" (2) indication goes out. So you won't miss any traffic announcements while continuing to listen to the cassette or CD (MD).

NEWS INTERRUPT FUNCTION[10]

Press button [10]. "NEWS" (19) indications go on.

When the FM station (selected last) puts a newscast on the air for another type of program, operation of tape or CD player is interrupted and the radio is activated to receive the newscast. On the other hand, when broadcast program is changed from news to

another kind of program or when reception of broadcast discontinues for 10 seconds or more (for reason of weak signal, etc.), this function automatically restores sound source to the original as it was output before activation of this function.

When tuned to FM, leaving this function ON automatically switches you to another station in the same network as soon as a newscast begins on that station.

Advice

- Volume level for receiving FM newscast is the same as it was set for TA.
- Besides NEWS INTERRUPT function, this set has another interrupt function, namely, TA function. (Interrupt function of this set automatically switches operation mode from playing tape/CD to reception of FM.) If the situation needs these interrupt functions, the function activated first has priority over the other. In this case, indication of the other interrupt function goes out while the other function is being activated.

If you desire to activate the other interrupt function for that currently in activation, turn off the currently activated interrupt function. The other interrupt function is automatically activated to enable you to listen to FM broadcast on its channel.

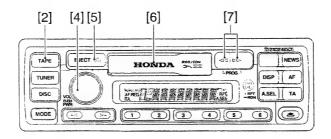
PTY ALARM

ALARM is a special PTY code for emergency announcements, such as natural disasters. When the radio alarm code is received "ALARM" lights in the display and the volume changes. When the station stops broadcasting the alarm, the system returns to its previous source.

TUNING STEPS

The tuning step is set to 50 kHz during search tuning on an FM band. However, this tuning step changes to 100 kHz when the AF or TA mode is activated.

USING THE TAPE DECK



BEFORE USING THE TAPE DECK

About Cassette Tape

- Tapes used should be no longer than C-90 (90 minutes). Tapes of longer length than that, such as C-120, may damage the tape drive mechanisms.
- Cassettes with loose or wavy labels on them may damage the unit's eject mechanism, which will prevent the cassette from being removed. Do not use cassettes like these or remove the labels from them.
- Don't store cassette tapes where they would be exposed to direct sunlight or subject to high temperatures. That may warp the cassettes and tapes and cause damage to the tape feed mechanisms.



 When not listening to tapes, place them in the cassette case for storage to prevent them from getting bent or dusty.

Cleaning the Head

The head is the all important sound pickup. If the head gets dirty, sound reproduction will be poor and the tape itself may be damaged. Periodically, once or twice a month clean the head with a cleaning tape to remove all dirt.

 Before using a cleaning tape available on the market, thoroughly read the instructions that come with it and any other cautions that may be written on the cleaning tape.

When a cassette is inserted in the cassette door [6], it is loaded and starts playing automatically. The tape direction 28 and TAPE 29 indications are displayed. To stop tape playback,

press button [4], and to start tape playback again, press button [2]. To eject the cassette, press button [5].

USING FAST FORWARD AND REWIND[7]

When playing side A ("▲" ② lit)
Press the ▶▶ side of button [7] to fastforward, and the ◀◀ side to rewind.

When playing side B ("▼" ② lit)

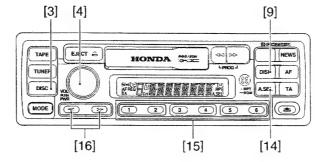
Press the ◀ side of button [7] to fastforward, and the ▶ side to rewind.

Advice

 Fast-forward/rewind can be canceled by lightly pressing the opposite button to the one pressed.

PLAYING CD (MD)

- The proper Honda CD (MD) changer (sold separately) is required to play CDs (MDs).
- Since the CD changer and the MD changer can be operated in the same way though there are some differences in indication between them, the following explains operation of the CD changer by way of example.



LISTENING TO A CD[3] 🖢 [4] 🖢

When button [3] is pressed, CD playback starts and the disc number ③, track number ③ appear on the display. Playback is stopped by pressing button [4].

Advice

- If there is no magazine in the CD changer, "EJECT" will appear on the display.
- When two or more CD changers are connected, press button [3] to select a desired one. The number of selected changer appears in 30.

Press the button in [15] with the same number as the number of the disc you want to play.

Advice

- There is a delay of several seconds before the music starts after pressing the button, due to the disc changeover operation.
- When CD changer of 12-discs loading type is connected, switch over between two disc groups as mentioned below. Press button [15] momentarily (within 0.5 second) to select the 1st to 6th discs for playing.
 Press button [15] for longer than 0.5 second to select the 7th to 12th discs for playing.

TRACK SELECTION (TRACK **NUMBER SEARCH**)[16]

Press the (<) or (>) side of button [16] for a moment (less than 0.5 seconds). and press the button repeatedly until you reach the track you want to play.

Advice

• If you press the button for longer than 0.5 seconds, fast forward/rewind will operate, and it will not be possible to perform a track number search.

FAST FORWARD AND REVERSE [16]

Press the (<) or (>) side of button [16] until you hear a beep (0.5 seconds or more).

Advice

- · Playback can be heard during fastforwarding or rewinding.
- · Fast-forwarding or rewinding is performed only as long as the button is pressed.

AUTOMATIC MUSIC SELECTION [14] 2

Press button [14] for about 2 seconds, and "A.SEL" 34 will light. To cancel this setting, press button [14] once again, and "A.SEL" 3 will disappear.

Advice

- The microcomputer in the CD changer can select and play tracks from the CD randomly.
- The track to be played is selected randomly, and the same track may be played twice in succession.

REPEATED PLAYING OF THE SAME TRACK (REPEAT PLAY)[14]

Press button [14] (for less than 2 seconds) while the track you want to repeat is playing, and "RPT" 35 will light. To cancel this setting, press button [14] again, and "RPT" 35 will disappear.

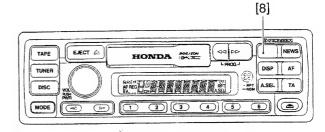
ELAPSED TIME OF PLAY INDICATION[9]

Pressing button [9] switches the display to play time indications. Pressing the button once more cancels display of play time indications.

AUTO ANTENNA **OPERATION**

When this unit is used in an auto antenna vehicle, the radio antenna will be extended automatically when the radio power is turned on.

USING THE REMOTE CONTROLLER



You can operate the unit with a separately sold remote control. Be sure to point the remote control at the remote sensor window [8]. Refer to the remote control's instruction manual for details concerning operation.

SPECIFICATIONS

GENERAL

Power source13.2 V DC (10.8 — 15.2 V allowable
Grounding systemNegative type
Max. current consumption7.5 A
Dimensions (chassis)
(nose)190 (W) \times 60 (H) \times 11.8 (D) mm
Weight1.3 kg
AMPLIFIER
Maximum power output25 W × 4
Continuous power output14 W×4
(DIN453241, +B = 14.4 V
Load impedance4 Ω (4 — 8 Ω allowable
Tone controls (bass)±12 dB (100 Hz
(treble)±12 dB (10 kHz
TAPE PLAYER
Tane Compact cassette tane (C-30 — C-90)

Tape	Compact cassette tape (C-30 — C-90)
Tape speed	4.8 cm/sec.
	d timeApprox. 100 sec. for C-60
Wow & flutter	0.13% (WRMS)
Frequency respons	se40 — 14,000 Hz (±3 dB)
Stereo separation.	45 dB
	52 dB (IEC-A network)

FM TUNER

Usable sensitivity 50 dB quieting sensitivity S/N ratio Distortion	
MW TUNER Frequency range Usable sensitivity	531 — 1,602 kHz 25 dBµV (S/N: 20dB) 50 dB (±9 kHz)
	153 — 281 kHz 30 dBµV (S/N: 20 dB)

Note:

Specifications and the design are subject to possible modification without notice due to improvements.

Selectivity50 dB (±9 kHz)

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HONDA